

4.2.C. 0801020705.

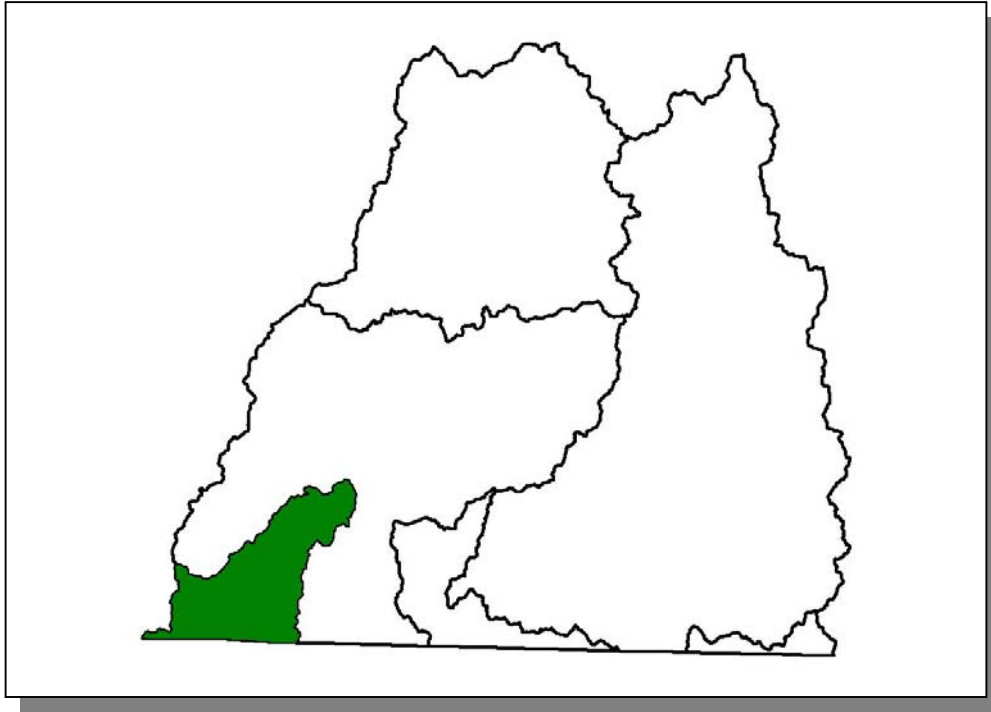


Figure 4-32. Location of Subwatershed 0801020705. All Little Hatchie River HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.2.C.i. 080102070501 (Muddy Creek).



Figure 4-33. Location of Subwatershed 080102070501. All HUC-12 subwatershed boundaries are shown for reference.

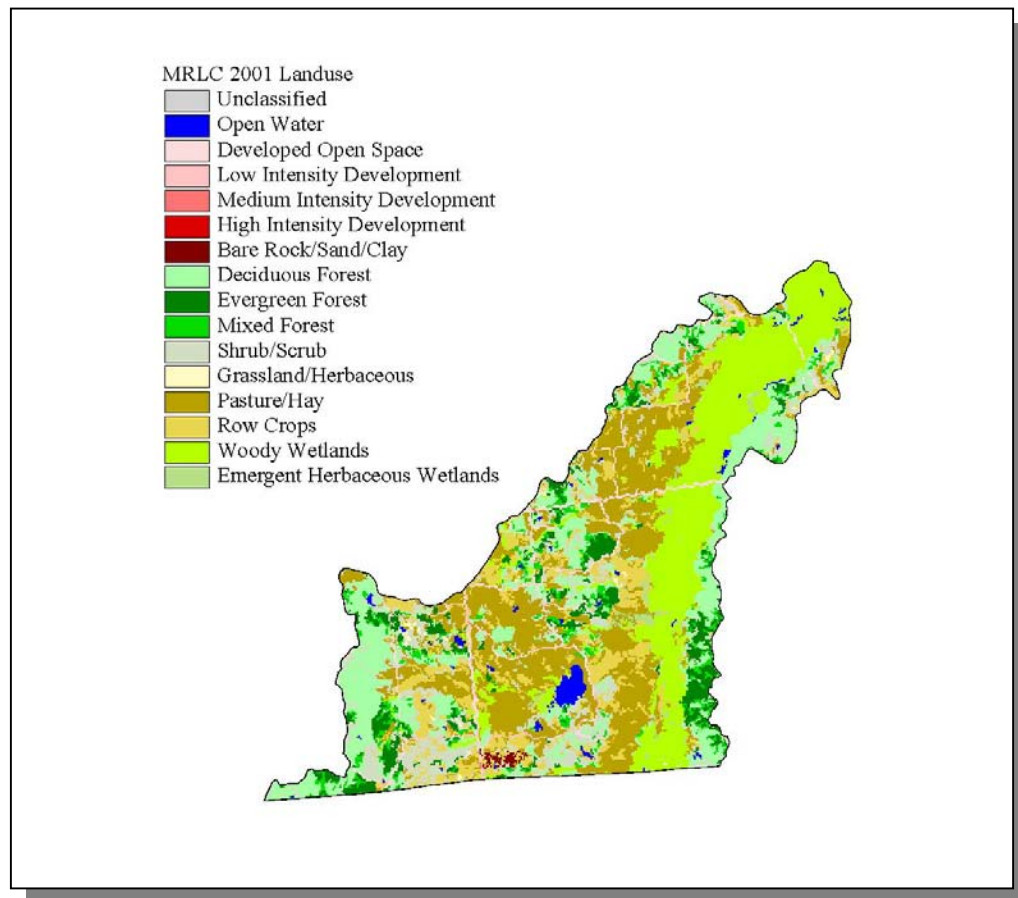


Figure 4-34. Illustration of Land Use Distribution in Subwatershed 080102070501.

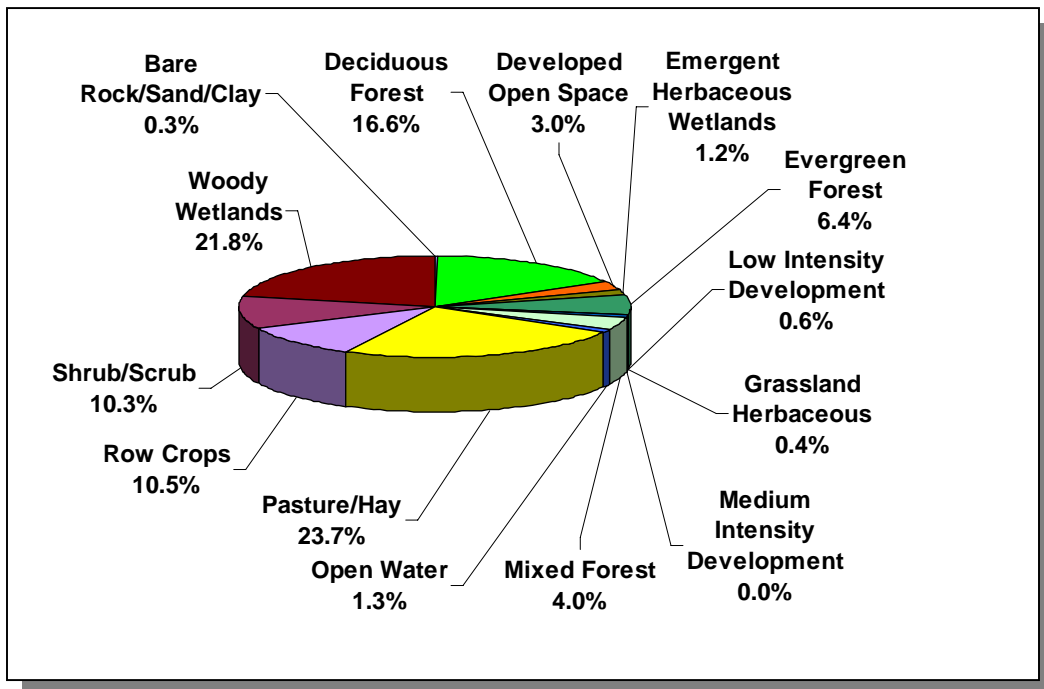


Figure 4-35. Land Use Distribution in Subwatershed 080102070501. More information is provided in Appendix IV.

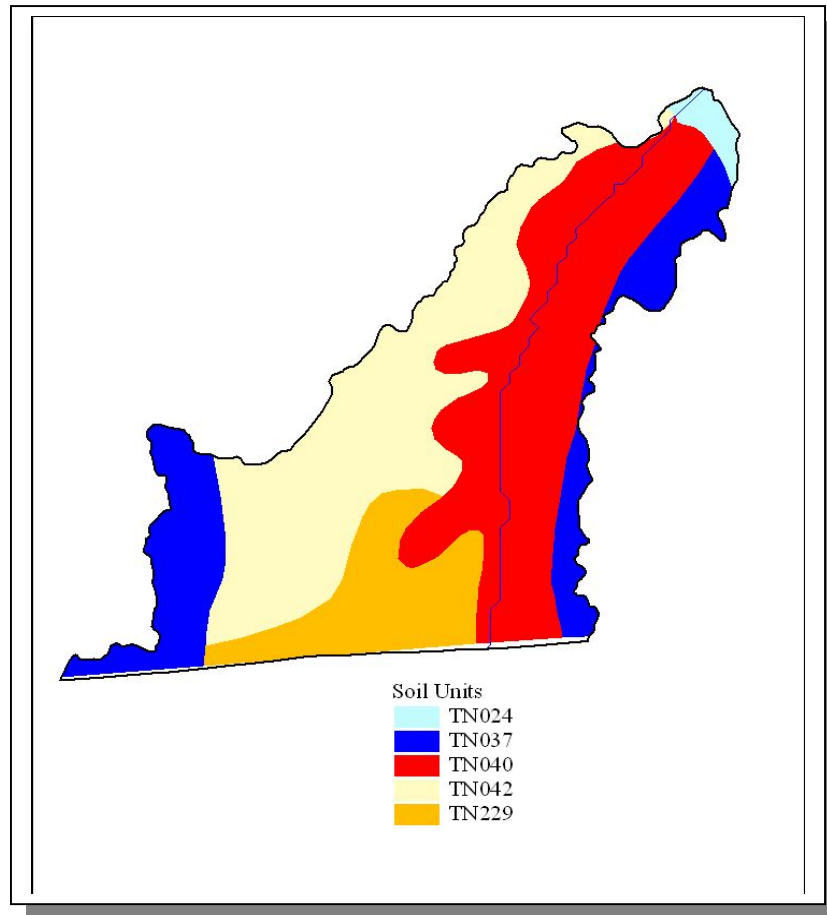


Figure 4-36. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070501.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN024	61.00	D	2.18	5.35	Loam	0.29
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27
TN040	40.00	C	1.33	5.18	Silty Loam	0.38
TN042	0.00	C	2.53	5.11	Silty Loam	0.34
TN229	2.00	C	0.72	5.03	Silty Loam	0.39

Table 4-35. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070501. The definition of "Hydrologic Group" is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	2.71	634	670	763	20.3

Table 4-36. Population Estimates in Subwatershed 080102070501.

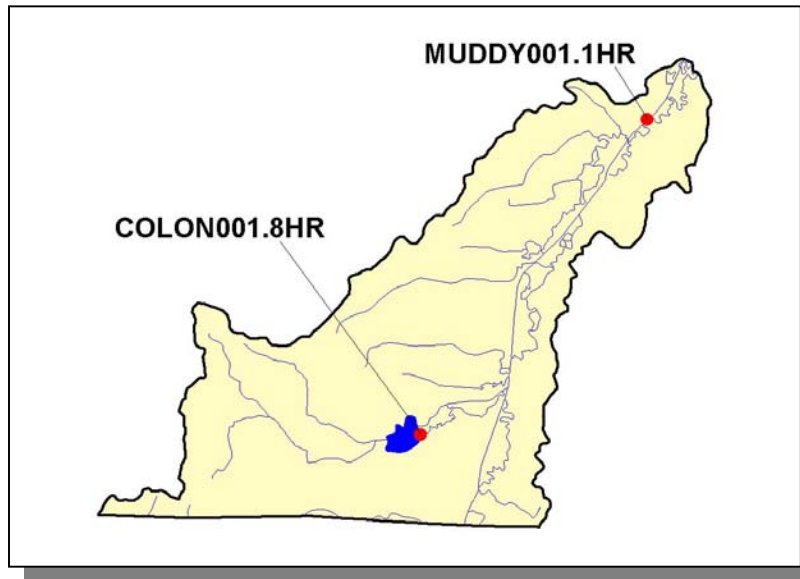


Figure 4-37. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102070501. More information, including site names and locations, is provided in Appendix IV.

4.2.C.i.a. Point Source Contributions.

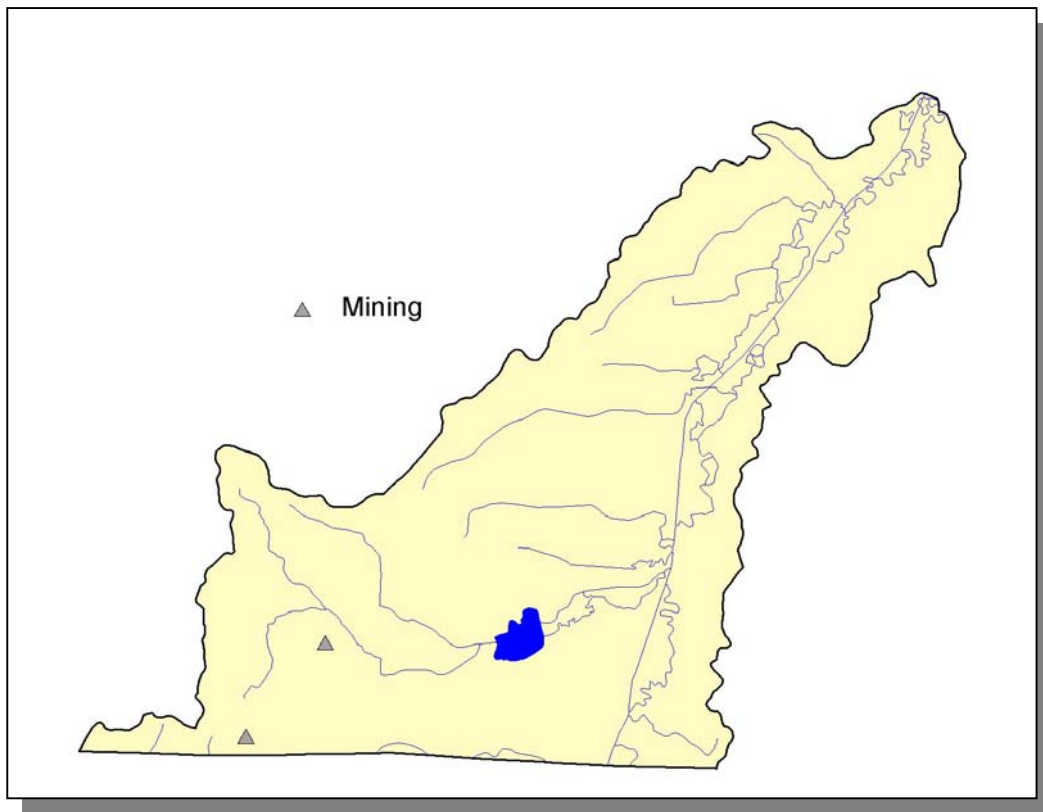


Figure 4-38. Location of Permits Issued in Subwatershed 080102070501. More information, including the names of facilities, is provided in Appendix IV.

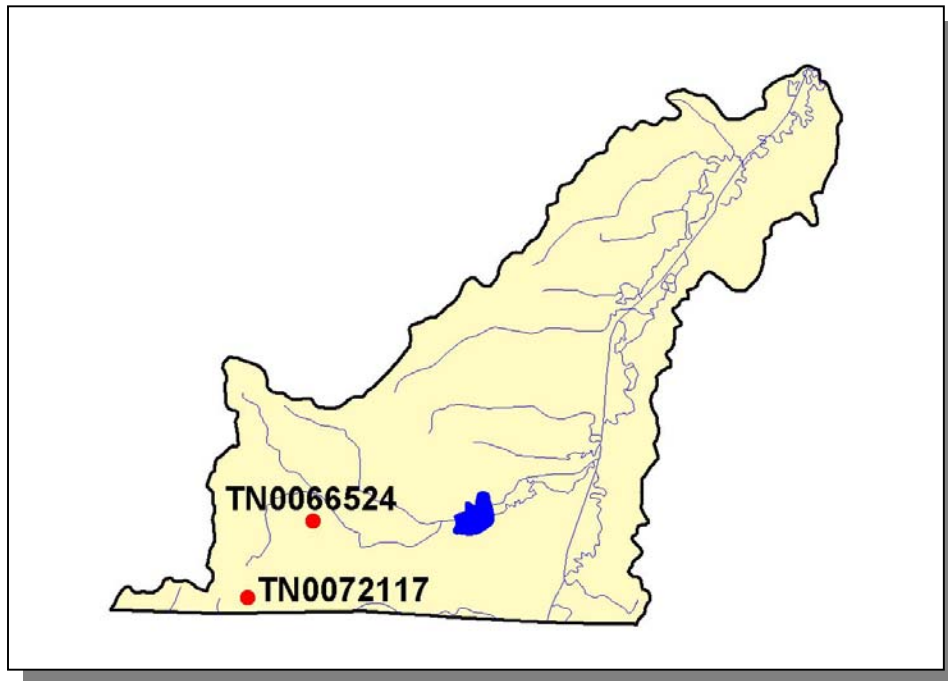


Figure 4-39. Location of Active Mining Sites in Subwatershed 080102070501. More information, including the names of mining operations, is provided in Appendix IV.

4.2.C.i.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
796	1,378	6	<5	440	12

Table 4-37. Summary of Livestock Count Estimates in Subwatershed 080102070501. According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144

Table 4-38. Summary of Livestock Count Estimates in Hardeman County. According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardeman	247.1	247.1	5.0	18.6

Table 4-39. Forest Acreage and Annual Removal Rates (1987-1994) in Hardeman County.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.22
Grass (Hayland)	0.40
Legumes (Hayland)	1.14
Grass, Forbs, Legumes (Mixed Pasture)	1.06
Corn (Row Crops)	10.45
Cotton (Row Crops)	23.16
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	11.89
Wheat (Close-Grown Cropland)	15.03
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	3.98
Conservation Reserve Program Lands	0.85
Farmsteads and Ranch Headquarters	0.93

Table 4-40. Annual Estimated Total Soil Loss in Subwatershed 080102070501.